

SOV/126-7-1-12/28

The Nature and Mechanism of Formation of a Surface Layer in Carbon Steel Containing Arsenic

- (1) The thin surface layer which forms in carbon steel containing a small quantity of arsenic as a result of high temperature oxidation is a solid solution of arsenic in ferrite.
- (2) A layer of arsenious ferrite forms as the result of segregation of arsenic in a thin austenite layer adjacent to the scale and the subsequent $\gamma \rightarrow \alpha$ phase recrystallisation. On further oxidation the layer grows in thickness due to diffusion of arsenic from the surface into the depth of the metal.
- (3) The accumulation of arsenic before the front of the wüstite layer, and not in the wüstite layer itself, appears to be due to arsenic not being soluble in wüstite. In such a case the arsenic concentration of the surface layer of the metal must increase due to removal of iron ions into the scale, as well as removal of arsenic from the specimen surface into the depth by the growing wüstite layer.

Card 3/4 There are 2 figures, 2 tables and 8 Soviet references.

SOV/126-7-1-12/28

The Nature and Mechanism of Formation of a Surface Layer in Carbon Steel Containing Arsenic

ASSOCIATION: Donetskiy industrial'nyy institut imeni N.S. Khrushcheva
(Donetskiy Industrial Institute imeni N.S. Khrushchev)

SUBMITTED: March 23, 1957

Card 4/4

S/137/62/000/004/076/201
A052/A101

AUTHORS: Kuleshov, P. I., Tursunov, A. V.

TITLE: On the problem of the effect of heat treatment on the block structure of ferrite grains

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 2 - 3, abstract 4119 ("Tr. Donetsk. politekhn. in-ta", no. 56, 1961, 55 - 63)

TEXT: The investigation was carried out on 10 x 15 x 5 mm samples of 08 KП (08kp) sheet steel. The samples were cooled down from high temperatures (800 and 1,025°C) at different rates. To obtain a pure ferrite structure the samples were annealed in H₂ at 900°C during two hours and then, to coarsen the grain, a repeated 2 hours' air annealing at 1,200°C was done. The microstructure was determined and radiographs were taken by the back-scattering method in KPCC-1 (KROS-1) chamber on Fe-radiation. It is established the cooling from the temperatures lower and higher Ac₃ affects the ferrite substructure in a different way: fast cooling from 800°C causes mainly the crushing of blocks and the emergence of 2nd kind stresses; at a cooling from 1,025°C a change of block orientation is also observed. Slow cooling (annealing) leads to the strengthening

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S/137/62/000/004/076/201
A052/A101

On the problem of the effect of...

of the texture and to an enlargement of blocks, whereas an abrupt cooling (hardening) has an opposite effect (increases the dispersion of the texture and leads to the crushing of blocks). The heat treatment has a different effect on the substructure in the center of grain and at its boundaries. There are 5 references.

Z. Fridman

[Abstracter's note: Complete translation]

Card 2/2

KULESHOV, P. P.

607 Moy opyr osmotra vagonov (shakhtin. vagonnyy uchastok sev. - kavkazskoy zh. D.)
Rostov N/D. Rosrizzdar, 1954. 16s sill portr. 20sm. (sev-kavkazskaya zh. D.
tekin. otd. i dor. nauch. - inzh -tekhn. o-vo Shicola peredovogo opyta rabory
novatorov-zheleznodorozhnikov). 200 ckz Bespl. - 54-55362) p.
625.20-7 sr

SO: Knizhnaya Letopis', Vol 1, 1955

KULESHOV, P.Ya.

"Investigation of the Aerodynamics of the Cottrell Filter
S-140" No.12, 1954, 31-52 Soobshch ,Giprokoksa

The author presents results of an investigation into the distribution of a stream of gas among the various tubes and electrodes of the Cottrell filter S-140, used in coal-tar chemical plants for cleansing coke gas of tar. It was found that the fundamental mass of gas passes through the central tubes of the instrument. On the basis of these results the author concludes that the productivity of the filter can be nearly doubled by arranging for a uniform distribution of gas among all the tubes and electrodes.
(RZhMekh, NO. 9, 1955)

..., .. 14.

GLOSHY, P. Ya.: "Methods of increasing the productivity of electro-filters for removing the pitch from cooking gas." Min Ferrous Metallurgy Ukrainian SSR. Zaporozh'ye Coke-Chemical Plant. Zaporozh'ye, 1956. (Dissertation for the Degree of Candidate in Technical Sciences)

See: Kuzhnaya letopis' No. 36, 1956 Moscow

KULESHOV, P.Ya., inzhener.

Increasing the capacity of C-140 electric filters. Koks. i khim.
no. 4:45-49 '56. (MLRA 9:9)

1.Zaperezhskiy koksokhimicheskiy zavod.
(Dust collectors)

EYDEL'SHTEYN, Ya.M.; KULESHOV, P.Ya.; SHVARTS, G.A.; MUSTAFIN, F.A.

Comments on R.Z.Lerner's article "Changing the layout of a coking section for considerable increase in the number of ovens per battery. Keks i khim.no.6:32-36 '56. (MLRA 9:10)

1.Koksekhimmentazh (for Eydel'shteyn).2.Zaperezhskiy koksekhimicheskiy zaved (for Kuleshev and Shvarts).3.N.-Tagil'skiy koksekhimicheskiy zaved (for Mustafin).

(Coke ovens)

AUTHORS: Kuleshov, P.Ya. and Medvednikova, V.Ya. 68-5-9/14

TITLE: The determination of the tar content in coke oven gas.
(Opredeleniye soderzhaniya smoly v koksovom gaze).

PERIODICAL: "Koks i Khimiya" (Coke and Chemistry), 1957, No.5,
pp.42-44 (U.S.S.R.).

ABSTRACT: Methods of determining tar content in coke oven gas are
briefly reviewed. The correct method of collecting gas
samples for the determination is described in some detail.

There is 1 table, 4 figures and 3 Slavic references.

ASSOCIATION: Zaporozhe Coke Oven Works (Zaporozhskiy Koksokhimi-
cheskiy Zavod).

AVAILABLE:

Card 1/1

KULESHOV, P.YA.

68-7-11/16

AUTHORS: Stepanenko, M.A., Matusyak, N.I. (UKhIN), Kuleshov, P.Ya., and Saltan, P.L.

TITLE: Intensification of the Process of Production of High Melting Pitch. (Intensifikatsiya protsessa polucheniya vysokoplavkogo peka).

PERIODICAL: Koks i Khimiya, 1957, Nr 7, pp.43-46 (USSR)

ABSTRACT: The use of oxygen for the intensification of the process of production of high melting pitch was investigated on a laboratory and works' scale. The comparison of laboratory experiments of blowing medium pitch, pitch tar and their mixture (75% + 25% respectively) with air and oxygen is given in Table 1 and Fig.1. When blowing with oxygen (18 l/hr per kg of pitch) the waste gas contained about 60 to 70% of oxygen. Better utilisation of oxygen was obtained when additional mechanical stirring was applied, so that oxygen consumption was reduced to 6 l/hr per kg of pitch per hr (Table 2). Industrial experiments were carried out in two continuously operating reactors joined in series. Dimension of the reactor: $d = 3$ m; h total 4.7 m, the ratio of h pitch to $d = 1.6$; charge 59 tons. The comparison of results obtained in laboratory and works' experiments is given in Table 3. It was found that by replacing air with oxygen,

Card
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68-7-11/16

Intensification of the Process of Production of High Melting Pitch.

the reaction time and the total oxygen consumption can be decreased by 2.5 - 3.0 times (at similar blowing velocities), or the reaction time can be decreased by 1.5 - 2.0 times with a decrease in the total consumption of oxygen by 6-7 times (in comparison with air). In the latter case the use of mechanical stirring is necessary. In considering the most suitable type of apparatus for blowing oxygen it is stated that a bubbler type reactor is the most suitable. There are 3 tables and 2 figures.

ASSOCIATION: Zaporozhskiy Coke Oven Works. (Zaporozhskiy Koksokhimicheskiy Zavod).

AVAILABLE: Library of Congress
Card 2/2

Kuleshov, P.YA.

68-9-12/15

AUTHORS: Kuleshov, P.Ya. and Shvarts, G.A.TITLE: A Method of Comparing the Productivity of Labour in Coke
Oven Departments of Various Coke Oven Works (Metod sravneniya
proizvoditel'nosti truda rabochikh koksovykh tsekhov na
razlichnykh koksokhimicheskikh zavodakh)

PERIODICAL: Koks i Khimiya, 1957, Nr 9, pp.55-59 (USSR)

ABSTRACT: The above problem is discussed and the following formula
for calculating the productivity of labour in coke ovens is
proposed: $P = \frac{V \cdot K}{Q}$ where: V - useful volume of astandard battery (V = volume of one oven x number of ovens
serviced by one team), K - coefficient of utilisation of the
working volume of one oven in tons of dry coke per 1 m³ of
its useful volume, Q - number of labourers per 1 standard
battery. It is pointed out, in an editorial note, that some
of the author's statements are disputable and therefore fur-
ther discussion on the subject is invited. There are 3 tables.ASSOCIATION: Zaporozh'ye Coke Oven Works (Zaporozhskiy Koksokhimicheskiy
Zavod)

AVAILABLE: Library of Congress.

Card 1/1

KULESHOV, P.Ya.

AUTHOR: Kuleshov, P.Ya.

68-1-11/22

TITLE: Main Deficiencies in the Design of Electro-static
Precipitators. (Nedostatki konstruktsii trubchatykh
elektrofil'trov)

PERIODICAL: Koks i Khimiya, 1958, No.1, pp. 43 - 46 (USSR)

ABSTRACT: Main deficiencies in the design of electrostatic precip-
itators of the type C-140 and C-180, used in the coking ind-
ustry and methods of their elimination are described.
There are 2 figures.

ASSOCIATION: Zaporozhsk Coke Oven Works (Zaporozh 'ye koksokhimi-
cheskiy zavod)

AVAILABLE: Library of Congress
Card 1/1

SOV/68-58-12-10/25

AUTHOR: Kuleshov, P.Ya., Candidate of Technical Science

TITLE: An Investigation of the Aerodynamics of an Electrostatic Precipitator of the Type S-180 on a Model (Issledovaniye aerodinamiki elektrofil'tra S-180 na modeli)

PERIODICAL: Koks i Khimiya, 1958, Nr 12, pp 30-35 (USSR)

ABSTRACT: The influence of the free cross sectional area of the distributing grate, feeding tube inside the precipitator and the position of supports on the flow characteristics through the electrostatic precipitator S-180 was investigated on a model. As a result of the investigation, the replacement of the distributing grate by a different one (characteristics given) and removal of the protrusion of the feeding tube into the precipitator is recommended. There are 6 figures.

ASSOCIATION: Zaporozhskiy koksokhimicheskiy zavod (Zaporozh'ye Coking Works)

Card 1/1

SOV/68-59-4-12/23

AUTHOR: Kuleshov, P.Ya.

TITLE: An Investigation of the Aerodynamics of an Electrostatic Precipitator of the S-7,2 Type (Issledovaniye aerodinamiki elektrofil'tra S-7,2)

PERIODICAL: Koks i Khimiya, 1959, Nr 4, pp 38-42 (USSR)

ABSTRACT: The electrostatic precipitator S-7,2 of a throughput of 50,000 m³/hr of gas, designed for replacement of the old precipitators S-140 and S-180 is shown in Fig 1. Its aerodynamic properties were investigated on a perspex model (scale 1/10). The influence of distributing grates on the distribution of gas stream - Fig 2 (characteristics of grates - table) and the distribution of the gas stream across the precipitator - Fig 3. It was found that the precipitator S-7,2 with two distributing grates has a number of technical and operating advantages over the previous types of

Card 1/2

SOV/68-59-4-12/23

An Investigation of the Aerodynamics of an Electrostatic
Precipitator of the S-7,2 Type

precipitators S-140 and S-180. There are 3 figures
and 1 table.

ASSOCIATION: Zaporozhskiy Koksokhimicheskiy Zavod (Zapcrozh'ye
Coking Works)

Card 2/2

KULESHOV, P.Ya., kand.tekhn.nauk; NOVCHAN, A.T.

New system of processing the anthracene fraction. Koks i khim. no.9:
36-37 '60. (MIRA 13:9)

1. Zaporoshskiy koksokhimicheskiy zavod.
(Anthracene)

KULESHOV, P.Ye.; YELENSKIY, F.Z.; SITALO, M.V.

Coke from Donets gas coals. Koks i khim. no.12:20-22 '60.
(MIRA 13:12)

1. Zaporozhskiy koksokhimicheskiy zavod.
(Coal---Carbonization) (Coke)

KULESHOV, P.Ya.; GOLUBCHIK, A.L.; SITALO, M.V.; EYDEL'MAN, A.Ye.;
YELENSKIY, F.Z.

New flow sheet for the preparation of coal charges for coking.
Koks i khim. no. 3:5-8 '61. (MIRA 14:4)

1. Zaporzhskiy koksokhimicheskiy zavod.
(Coal preparation)

KULESHOV, P.Ya.; MEZENTSEV, I.Ya.

Glorious road of Zaporozhye coke chemists. Koks i khim.
no.16:6-9 '61. (MIRA 15:2)

1. Direktor Zaporzhskogo koksokhimicheskogo zavoda (for
Kuleshov).
(Zaporezh'ye—Coke industry)

BRUK, A.S.; OBUKHOVSKIY, Ya.M.; BELETSKIY, V.G.; LEYBOVICH, R.Ye.;
KULESHOV, P.Ya.; GOLUBCHIK, A.L.; SITALO, M.V.; EYDEL'MAN, A.Ye.

Improving the stability of coke quality at the Zaporozh'ye
By-Product Coke Plant. Koks i khim. no.16:10-12 '61.

(MIRA 15:2)

1. Dnepropetrovskiy metallurgicheskiy institut (for Bruk,
Obukhovskiy, Beletskiy, Leybovich). 2. Zaporozhskiy koksokhimiko-
cheskiy zavod (for Kuleshov, Golubchik, Sitalo, Eydel'man)
(Zaporozh'ye—Coke)

DEKHANOV, N.M., inzh.; KRAVCHENKO, V.A., inzh.; VOLKOV, V.F., inzh.;
SEREBRENNIKOV, A.A., inzh.; MORGULEV, S.A., inzh.; KULESHOV, P.Ya.,
kand.tekhn.nauk; YELENSKIY, F.Z., inzh.

Making 75-percent ferrosilicon with gas coke. Stal' 21 no.12:1088-
1089 D '61. (MIRA 14:12)

(Ferrosilicon--Electrometallurgy)
(Gas industry--By-products)

KULESHOV, P.Ya.; MEZENTSEV, I.Ya.; BOROVIK, P.A.

Struggling for a high title. Koks i khim. no.5:3-5 '63.
(MIRA 16:5)

1. Direktor Zaporozhskogo koksokhimicheskogo zavoda (for Kulëshov).
2. Sekretar' partiyного komiteta Zaporozhskogo koksokhimicheskogo zavoda (for Kuleshov). 3. Predsedatel' zavodskogo komiteta Zaporozhskogo koksokhimicheskogo zavoda (for Borovik).
(Zaporozh'ye—Coke industry) (Socialist competition)

GOLYAND, S.M.; STRAKHOVA, A.Ye.; KULESHOV, P.Ya.; LEVICH, I.A.;
EYDEL'MAN, A.Ye.

Production of sodium thiocyanate from the waste waters of arsenic-soda sulfur removal. Koks'i khim. no.5:45-48 '63. (MIRA 16:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy ochistke gazov (for Golyand, Strakhova). 2. Zaporozhskiy koksokhimicheskiy zavod (for Kuleshov, Levich, Eydel'man).
(Sodium thiocyanate) (Coke industry--By-products)

KULESHOV, R.

Our contribution to the seven-year plan. Mast.ugl. no.4:7
'59. (MIRA 12:6)

1. Predsedatel' shakhtnogo komiteta shakhty No.1 tresta Nesvetayantra-
tsit.
(Coal mines and mining)

KAZAKEVICH, S.S., kand.tekhn.nauk; BORISOVSKIY, Ye.S., inzh.; KULESHOV, R.S.;
GOLOVANOV, A.A., inzh.

Method of improving the performance of patenting furnaces. Stal' 20
no.10:957-959 O '60.
(MIEA 13:9)
(Furnaces, Heat-treating)

KULESHOV, S., prepodavatel' fiziki

Radio installers in rural areas. Voen. znan. 25 no.5:6 My '49.
(MIRA 12:12)

1. Velikotopal'skaya shkola Klintsovskogo rayona, Bryanskoy oblasti.
(Velikaya Topal'--Radio clubs)

KULESHOV, S.

There are one hundred brick factories on the collective farms of our province. Sil'.bud. 10 no.8:11 Ag '60.
(MIRA 13:8)

1. Glavnnyy inzhener upravleniya stroitel'stva Sumskogo oblast'khosupravleniya.
(Suma Province--Brick industry)

KULESHOV, S. I., inzhener.

Spraying clinker with water in the cooling zone of a rotary kiln.
TSement 23 no.2:26 Mr-Ap '57. (MLRA 10:?)

1. Karagandinskiy tsementnyy zavod.
(Kilns, Rotary--Cooling)

KULESHOV, Sergey Maksimovich; YESIKOV, S.R., otv. red.; SIDOROVA, T.S.,
red.; SLUTSKIN, A.A., tekhn. red.

[Methodology for calculating economic efficiency in telegraph
engineering] Metodika raschetov ekonomiceskoi effektivnosti tele-
grafnoi tekhniki. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i
radio, 1961. 42 p.

(MIRA 14:12)

(Telegraph)

GLADKIY, M. I. [deceased]; SHANIN, G.A.; IODKO, Ye.K.; MANAYENKOV, S.D.; MIKHAYLOV, E.A.; GRIBOVA, Ye.N.; LUGOVSKIY, P.P.; KULESHOV, S.M.; SHATOV, A.I.; SHNYREVA, N.N.; ISHKOVA, V.M.; LYKOV, A.I.; TYULYAYEV, A.N., otv. red.; SIDOROVA, T.S., red.; SHEFER, G.I., tekhn. red.

[Determining the economic efficiency of new machinery in the communication system] Opredelenie ekonomiceskoi effektivnosti novoi tekhniki v khoziaistve svazi; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1962. 174 p. (MIRA 16:3)
(Communication and traffic--Technological innovations)

KULESHOV, S.P., inzh.

Modernization of the control network of the current circuits
of a 110, 220 kv. differential busbar protection system.
Elek sta. 35 no.10:86-87 0'64. (MIRA 17:12)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6

KULESHOV, V., inzhener

Innovators at the Parkhomenko plant. Mast.ugl.4 no.7:21 J1 '55.
(Coal mining machinery) (MIRA 8:10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6"

KULESHOV, V.

On the problem of distribution relations under socialism. Vop. ekon.
no.12:139-144 D '60. (MIRA 13:12)
(Economics)

KULESHOV, V.

Universal trim indicator manufactured on the motorship
"Sretensk." Mor. flot 23 no. 7:19-20 Jl '63. (MIRA 16:8)

1. Starshiy shturman teplokhoda "Sretensk."

KULESHOV, V.A., inzh.; MOROSHKIN, B.N., inzh.; RODOV, A.M., inzh.

Contactless voltage regulator of the auxiliary generator
of a gas turbine locomotive. Vest. elektroprom. 34
no.2:25-28 F '63. (MIRA 16:2)
(Electric locomotives) (Electric generators)
(Electric regulators)

KONOVALOV, Ye.G. [Kanavalov, I.A.R.]; KULESHOV, V.A. [Kuleshov, V.A.]

Geometry of the contact surface during metal finishing with
a rotating tool. Vestsi AN BSSR Ser. Fiz.-mat. nauk, v.1:
113-117 '64 (MIR 17:7)

KONOVALOV, Ye.G.; KULESHOV, V.A.

Shaping of surfaces by a rotary tool. Dokl. AN BSSR 8 no.4:254-257
Ap '64. (MIRA 17:6)

1. Fiziko-tehnicheskij institut AN BSSR. Predstavлено akademikom
AN BSSR K.V. Gorevym.

DZHORDZHIKIYA, V.D.; KULESHOV, V.B.

Regarding the propagation of the pulse wave. Klinmed. 38
no.68139-141 Je '60. (MIRA 13:12)
(PULSE)

LISTOV, V.A.; ARTEM, M.V.; SEMENOV, K.A.; KULESHOV, V.D.;
CHERNIKOVA, T.P.

Using the OSV-1 unit for determining the stability of the
viscosity of thickened oils. Standartizatsiia 28 no.1:29-30
Ja '64.
(MIRA 17:1)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6"

E SHOV, V. I.

JECT USSR / PHYSICS CARD 1 / 2 PA - 1574
AUTHOR ADIROVIC, E.I., GURO, G.M., KULESOV, V.F.
TITLE The Dependence of the Life of Charge Carriers which are not in
Equilibrium in Germanium on Temperature and on Composition.
PERIODICAL Zurn. eksp. i teor. fiz., 31, fasc. 2, 261-272 (1956)
Issued: 10 / 1956

The present work provides an analytical solution of the problem and the solution is written down in form of simple approximation expressions which are suited for concrete computation.

Computation of the position of FERMI levels: The position of the FERMI level at thermodynamic equilibrium is determined on the basis of a condition of normalization which is given here. In non-degenerated semiconductors the distribution of electrons in the upper zone as well as the distribution of holes in the lower zone obey BOLTZMANN'S statistics. As a level of reference of energies the position of the FERMI level in a pure semiconductor is assumed. Here only semiconductors with low activation energy of donors and acceptors are studied. A typical representative of such semiconductors is germanium; all further evaluations refer to it. In the case of donor germanium the FERMI level is positive at all temperatures. In electron germanium the concentration of the holes on acceptor levels may be neglected at all test temperatures. The domain of low temperatures can be subdivided into three temperature intervals in which various approximation expressions are possible. In the case of the usual concentrations of admixtures the upper boundary of this domain does not depend on the binding energy of the

Zurn. eksp. i teor. fis., 31, fasc. 2, 261-272 (1956) CARD 2 / 2 PA - 1574
electron on the admixture levels. For the domain of higher temperatures two temperatures are specially mentioned: θ_3 corresponds to the equality of the admixture-dependent and independent conductivity, and θ_4 to independent conductivity. Nearly all results obtained here hold also in the case of hole-semiconductors.
The life τ^* of the charge carriers which are not in equilibrium increases with rising temperature at first to a maximum, after which it again decreases. At $|\varepsilon_F| > \varepsilon_L$ τ^* increases even at $\theta \rightarrow 0$. Here ε_F and ε_L denote the energies of the "trap" and the hole respectively. If, however, the recombination levels are in the middle of the forbidden zone (or, more accurately, if the position of the "trap" agrees with that of the FERMI level in pure germanium), τ^* increases momentarily after which it remains constant. The relaxation of the concentration of electrons which does not correspond to equilibrium is due to two processes: 1.) Recombination of electrons in the empty "traps" which correspond to equilibrium, and 2.) Recombination of electrons corresponding to equilibrium with the surplus of empty "traps".
In conclusion three concrete examples are dealt with.

INSTITUTION: Physical Institute "P.N. LEBEDEV" of the Academy of Science in the USSR

I. 02991-67 FWT(m)/FWP(t)/FTI IJP(c) MJW/JD/JG
ACC NR: AP6033155

SOURCE CODE: UR/0105/66/000/010/0082/0083

AUTHOR: Gorina, N. B.; Gruznov, Yu. A.; Kolobanov, V. V.; Matokin, V. I.; Prokoshin, A. F.; Rad'kov, A. I.; Sokolov, V. I.; Tret'yakov, B. N.; Fedotov, L. N.; Khromov, S. M.; Kuleshov, V. F.

ORG: Central Scientific Research Institute of Ferrous Metallurgy im. I. P. Bardin (Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii)

TITLE: The 65BT superconducting alloy

SOURCE: Elektrichestvo, no. 10, 1966, 82-83

TOPIC TAGS: superconducting alloy, superconductivity

ABSTRACT: A new, relatively low cost Nb-Ti based alloy, designated 65BT, which meets all the major requirements for superconductors has been developed. Because of its properties it can be used in 1) magnetizing devices, such as superconducting solenoids, for field strengths varying from 20 to 80 koe, and 2) wires 0.1-0.3 mm in diameter and up to 12,000 m long and tapes 5 μ thick. The alloy, which contains 65% niobium, 25% titanium, and several other components, is produced in

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UDCI 537.312.62

I. 02991-67
ACC NR: AP6033155

an arc furnace and, after thermal processing, is cold drawn. For use
in superconducting solenoids, the alloy requires a 0.02-0.05-mm
copper coating. Orig. art. has 1 table.

SUB CODE: 20/ SUBM DATE: none/ ATD PRESS: 5099

AWM

Card 2/2

ACCESSION NR: AP4028942

S/0057/64/034/004/0577/0589

AUTHOR: Kuleshov, V. F.; Rukhadze, A. A.

TITLE: On the theory of interaction of a charged particle beam with
an inhomogeneous plasma. I: Potential oscillations

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 34, no. 4, 1964, 577-589

TOPIC TAGS: plasma, plasma beam interaction, charged particle beam,
inhomogeneous plasma, potential oscillation, oscillation instability,
kinetic instability, dielectric permittivity tensor, geometric optics,
approximation

ABSTRACT: A theoretical investigation of the interaction of a charged
particle beam with an inhomogeneous plasma is presented. It is lim-
ited to the case of a one-dimensional inhomogeneity; i.e., when all
the characteristic dimensions of the plasma and beam depend on one
single coordinate. An expression for a dielectric permittivity tensor
and the eikonal equation for a plasma-beam system are derived using
the geometric optics approximation. Potential oscillations of the

Card 1/2

ACCESSION NR: AP4028942

system are studied in two opposite cases: 1) interaction of a uniform beam of low density with an inhomogeneous plasma and 2) interaction of a nonuniform beam of low density with a homogeneous plasma. Some conclusions related to the instability of oscillations are drawn up for both cases. The author thanks V. P. Silin for a discussion of the work and critical remarks. Orig. art. has: 33 formulas.

ASSOCIATION: none

DATE ACQ: 28Apr64

ENCL: 00

SUBMITTED: 08May63

NO REF Sov: 011

OTHER: 001

SUB CODE: PH

Card 2/2

KULESHOV, V.I.

Restoration of the lacrimonasal canal in purulent dacryocystitis
by the use of a tube from a heterogenic peritoneum. Trudy Kish.
(MIRA 16:2)
gos.med.inst. 13:17-22 '60.

1. Katedra glaznykh bolezney Kishinevskogo gosudarstvennogo
meditsinskogo instituta.
(DACYROCYSTITIS) (LACRIMAL ORGANS—SURGERY)

KULESHOV, V.I.; STROMBLING, A.G.

New designs of electrolyzers and electrodes. Metod. anal. khim. reak.
i prepar. no. 5/6:37-41 '63. (MTR 17:9)

1. Tomskiy politekhnicheskiy institut.

KULESHOV, V.I.

Fungus disease of the upper canaliculus lacrimalis. Zdravo-
okhraneniye 6 no.2:55 Mr-Ap'63. (MIRA 16:10)

1. Iz kafedry glaznykh bolezney (zav. - dotsent A.N.Dobromyslov)
Kishinevskogo meditsinskogo instituta.

*

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6

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Card 2 / 2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6"

L 07421-57 EWP(d)/EWP(e)/EWP(v)/EWP(k)/EWP(l) LJP(c)
ACC NR: AR6021568 SOURCE CODE: UR/0272/66/000/005/0192/0192

AUTHOR: Gorbunov, V. I.; Kuleshov, V. K.

TITLE: On the problem of selecting optimum scintillator dimensions for flaw detection in manufactured articles

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 5.32.1401

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 42-48

TOPIC TAGS: flaw detection, scintillator, quantum yield, luminescence, x radiation

ABSTRACT: Experimental data are given on luminescence yield as a function of the height of NaI(J1) and Cs(J1) scintillators for radiation at energies from 30 kev to 30 Mev from a URPO-70-4 x-ray tube. The following conclusions are made: the luminescence yield of the scintillators is definitely dependent on height and the form of treatment; there is a definite height for each registered energy which is optimum from the standpoint of maximum luminescence yield; this height is determined by the coefficients μ and ν ; the coefficient ν is dependent apart from all other factors on the type of treatment of the scintillator surfaces. 6 illustrations, bibliography of 4 title.
[Translation of abstract]

SUB CODE: 20 13, 20

Card 1/1 *ds*

UDC: 539.1.074.3:620.179.152

L 01939-67 EWT(d)/EWP(c)/EWP(k)/T/EWP(v)/EWP(1) IJP(c)
ACC NR: AR6028529 SOURCE CODE: UR/0276/66/000/005/B007/B007

AUTHOR: Gorbunov, V. I.; Kuznetsov, V. I.; Kuleshov, V. K.;
Yankolevich, Yu. B.

TITLE: Spectrometric methods for flaw detection in materials 51
B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 5B49

REF SOURCE: Izv. Tomskogo politekhn. in-ta, v. 138, 1965, 20-30

TOPIC TAGS: spectrometry, flaw detection spectrometry, retardation spectrometry, gamma radiation spectrometry, gamma detection, bremsstrahlung

ABSTRACT: The value of bremsstrahlung and gamma radiation spectrometry in practical use in flaw detection is outlined. An analysis of spectral emissions obtained back of absorbers of different thickness and density and an analysis of instrumental spectra allows a correct approach to the problem of optimal conditions for radioscopy of materials and products and thus considerably expand the control potentialities of flaw detection spectrometry. Orig. art. has: 8 figures and a bibliography of 12 reference items. L. Tsukerman. [Translation of abstract.] [AM]

SUB CODE: 20, 14, 11/

Card 1/1 hs UDC: 620.179.1

STEFANOV, N.Y., kand. tekhn.nauk, prof.; OLESHKO, Grigoriy Ivanovich,
kand. tekhn.nauk,dots.; DEL RIO, Bernardo, kand. tekhn.nauk,
dots.; GRITSENKO, V.I., inzh.; KOSTENKO, O.A., inzh.;
PARKHOMENKO, N.V., inzh.; KULESHOV, V.M., inzh.; GONCHAROV,
N.Ye., kand. tekhn. nauk, dots.; LESHCHINSKIY, A.A., kand.
tekhn. nauk, dots ; DOLABERIDZE, A.M., doktor tekhn. nauk,
prof.; ZLATKOVSKIY, V.N., kand. tekhn. nauk, dots.;
DMITRIYEV, V.K., kand. tekhn. nauk, dots.; SHIPULIN, A.P.,
inzh.; SHISHLYKOV, Ye.S., red.

[Automation of the operation of hump yards using electronic
computers] Avtomatizatsiya sortirovochnykh stantsii (s pri-
meneniem vychislitel'nykh mashin. Moskva, Transport, 1964.
175 p.
(MIRA 17:6)

2A

B64
g

54 621.315.554 - 82
The resistance of bimetallic conductors and tubes
at high frequency. Kulikow, W. N. *Elektrosyaz.*,
No. 5, pp. 37-45, May, 1941.—The author investigates
the electromagnetic qualities of bimetallic conductors and tubes in connection with replacement of
copper lines. An analysis of the screening influence
of bimetallic tubes is given.
S. S.

See Abstr. 47 621.315.61 : 621.315.21

PA 27T94

KULESHOV, V. N.

USSR/Radar Equipment
Cables, Electric

Jan 1947

"Radar Method of Determining Breaks in Communication Lines," V. N. Kuleshov, Candidate in Technical Sciences, V. O. Shvartsman, Engr, 2½ pp

"Vestnik Svyazi - Elektrosvyaz" No 1 (82)

Describes the operation of the "reflectometer" which uses a radar principle of determining the point of break in a communication cable. It works on the principle that a break will return a certain volume of the impulse sent over the line, and the strength of the impulse will determine the approximate location of the break. Photograph of the apparatus and some diagrams showing oscillograph recordings of the apparatus.

27T94

VYKRENN, V. N.

3411C. Issledovaniye vzajimnogo vliyaniya mezdru narvinoizirovanniyi tsaryami simeonicheskikh kateley. Sbornik nauch. Trudov (tsentr. much.-issled. inst. svyazi), Vyp. 1, 1949 s. 85-103

SO: Knizhuaya, Letopis' Vol. 7, 1955

KULESHOV, V. N.

"Design Formulas for Building High-Frequency Cables," Radiotekhnika, No 5,
1949.

Central Scientific Research Institute of Communications, Ministry of Communications
(TsNIIS)

AKHLESHOV, V. N. jt. eti.

SOKOLOV, V. V.

Coil-leading of cables in city and suburban telephone systems. Moscow, Gos. izd-vo
lit-ry po voprosam svyazi i radio, 1950. 25p. (54-42133)

TK6321.K8

KULESHOV, V. N.

Author: Kuloglov, V. M.

Title: The theory on cable communications. (Teoriia kabeloi sviazi.) 419 p.

City: Moscow

Publisher: State Printing House of Literature pertaining to various Radio and Communication questions.

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 7, Page 151.

CALL NO: TK 5481. K78

Subject: 1. TELEGRAPH CABLES 2. TELEPHONE CABLES

ANISIMOV, P.A., YAVICH, I.Z.; KULESHOV, V.N., kandidat tekhnicheskikh
nauk, redaktor; MECHNIKOV, N.V., inzhener-polkovnik, redaktor;
NIKITIN, G.N., tekhnicheskiy redaktor

[Submarine communication cable lines] Podvodnye kabel'nye linii
sviazi. Pod red. V.N.Kuleshova. Moskva, Voenno-morskogo Minister-
stva SSSR, 1951 310 p. [Microfilm] (MLRA 8:6)
(Cables, Submarine)

KULESHOV, V.N.

Symmetrization of communications cables Moskva, Gos. izd-vo lit-ry po voprosam
sviazi i radio, 1952 211 p. (53-35396)

TK3351.K8

PA 240170

USSR/Electricity - Personalities

Nov 52

"Professor P. A. Azbukin, in Connection With His
70th Birthday," V. I. Kovalenkov, Corr Mem Acad
Sci USSR, and V. N. Kuleshov, Senior Sci Asso-
ciate, Cent Sci-Res Inst of Communications

"Elektrichestvo" No 11, pp 86, 87

A brief review of professional life and chief
organizational affiliations of Pavel Andreyevich
Azbukin, born 22 Jun 82. Specializing in wire
telegraphy and communications lines, he joined
Tomsk Elec Eng Inst in 1941, where he taught and
240170

headed a sci-res lab. In 1942, he was awarded
Order of Labor Red Banner. Among about 40 pub-
lished works is three-volume "Overhead and Cable
Communications Lines and Their Protection" (1940),
which is still used in USSR higher educational
institutions of communications.

KULESHOV, V. N.

240170

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6

KULESHOV, V. N., MALYSHEV, V. Z. and SHVARTSMAN, V. O.

"Electrical Measurements of Intercity Communication Cables," Svyaz'izdat, Moscow,
1953.

Review - M-644, 26 Jul 55

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6"

KULESHOV, V.N.; SOKOLOV, V.V.

The admittance of communication and transmission lines. Elektrichestvo
'53, No.4, 14-17.
(MLRA 6:4)
(EEA 56 no.672:4772 '53)

NADEZHDIN, V.A., kandidat tekhnicheskikh nauk; KULESHOV, V.N., kandidat tekhnicheskikh nauk, dotsent.

Professor E.V. Kitaev; 70th anniversary of birth. Elektrichestvo, no.5:
(MIRA 6:6)
95 My '53.
(Kitaev, Evgenii Vasil'evich, 1883-)

SHVARTSMAN, Vladimir Osipovich; KULESHOV, V.N., redaktor; KOROBOV, Yu.M.
redaktor; MOROZOVA, T.M., tekhnicheskiy redaktor.

[Symmetrization of communications cables] Simmetrirovanie kablei
sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio. 1954.
37 p. (MLRA 8:8)
(Electric cables)

KULESHOV, V.N.

PARFENKOV, S.F.; RUKHOVETS, G.L., nachal'nik lineynogo otdela.

"Electrical measurements of interurban cablelines." V.N.Kuleshov,
V.Z.Malyshov, V.O.Shvartsman. Reviewed by S.F.Parfenkov, G.L.Rukhovets.
Vest.sviazi 14 no.4:31-32 Ap '54. (MLRA 7:6)

1. Glavnyy inzhener Upravleniya kabel'noy magistrali (for Parfenkov).
(Kuleshov, V.N.) (Malyshov, V.Z.) (Shvartsman, V.O.)
(Telephone lines)

KULESHOV, V. N.

KULESHOV, V. N. --"Mutual Electromagnetic Influences between Circuits in Cable Communications and Methods of Limiting Them." State Publishing House for Literature on Problems of Communications and Radio. Min Communications USSR. Moscow Electrical Engineering Inst of Communications. Moscow, 1955. (Dissertation for the Degree of Doctor in Technical Science)

SO Knizhanay letopis'
No 2, 1956

KUZYK, Danil Fedorovich; KULESHOV V.N., redaktor; VORONOVA, A.I.,
redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Locating damages to underground radio communication lines]
Otyskanie povrezhdenii na podzemnykh liniakh radiofikatsii.
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1955. 42 p.
(Electric lines--Underground) (MLRA 8:10)

Name: KULESHOV, Vasiliy Nikolayevich

Dissertation: Electromagnetic Induction between Circuits in
Communication Cables and Methods of its
Suppression

Degree: Doc Tech Sci

Affiliation: Central Sci Res Inst of Communication

Defense Date, Place: 16 Feb 56, Council of Moscow Electrical Engineer-
ing Inst of Communication

Certification Date: 17 Nov 56

Source: BMVO 6/57

KULESHOV, V.N., redaktor; ANDREYENKO, Z.D., redaktor; LEDNEVA, N.V.,
tekhnicheskiy redaktor

[Interurban communication lines; a collection of translated articles]
Mezhdunarodnye linii sviazi; sbornik perevodnykh statei. Moskva,
Gos. izd-vo lit-ry po voprosam sviazi i radio, 1956. 129 p.
(Telephone lines)
(MLRA 10:2)

KULESHOV, V. N.

"New Method for Calculation of the Losses in Cylindrical Conductors Owing to the Proximity Effect," by V. N. Kuleshov, Elektrosvyaz', No 4, Apr 56, pp 45-53

A new, simplified method, adaptable in a range of frequencies up to one megacycle, was found for deriving formulas used in the calculation of losses in cylindrical conductors.

Experiments have proved that the results obtained by the new method give better agreement with actual values than the results obtained by the formula of Bettermans.

Sum 1219

YEVTYANOV, S.I.; KULESHOV, V.N.

Fluctuations in single-circuit self-oscillators. Nauch.dokl.vys.
shkoly; radiotekhnika elektron. no.4:93-102 '58.
(AKFA 12:6)
1. Gosudarstvennyy nauchno-issledovatel'skiy institut Ministerstva
avyazi. (Oscillators, Electron-tube)

SHVARTSMAN, V.O., starshiy nauchnyy sotrudnik. Prinimali uchastiye:
KULESHOV, V.N., starshiy nauchnyy sotrudnik; MALYSHEV, V.Z.,
starshiy nauchnyy sotrudnik; KLIMOV, M.A., otv.red.;
RIAZANTSHEVA, M.M., rad.; KARABILOVA, S.F., tekhn.red.

[Handbook for symmetry of communication cables] Rukovodstvo
po simmetrirovaniyu kabelei sviazi. Moskva, Gos.izd-vo lit-ry
po voprosam sviazi i radio, 1959. 82 p. (MIRA 13:2)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut.
2. Kabel'naya laboratoriya TSentral'nogo nauchno-issledovatel'skogo
instituta sviazi (TsNIIS) (for Shvartsman, Kuleshev, Malyshev).
(Electric cables) (Radio lines)

Kuleshov, V.N.

6(0) P

PHASE I BOOK EXPLOITATION SOV/2792

Akademiya nauk SSSR. Laboratoriya sistem peredachi informatsii

Problemy peredachi informatsii, vyp. 2 (Problems of Information Transfer, Nr. 2) Moscow, Izd-vo AN SSSR, 1959. 99 p. Errata slip inserted. 2,000 copies printed.

Ed. of Publishing House: Ye.K. Vinnichenko; Tech. Ed.: Yu. Rylina; Editorial Board: A.A. Kharkevich (Resp. Ed.), V.N. Kuznetsov, I.A. Ovseyevich, V.N. Roginskiy, and V.G. Solomonov.

PURPOSE: This collection of articles may be useful to engineers engaged in the design of wire communication systems.

COVERAGE: The authors discuss the theory of transmission of information and describe methods used in transmission. They consider attenuation of a two-wire line and cable impedance and discuss problems of coding, decoding and predicting communication signals. They also consider statistical analysis of information and discuss systems used. No personalities are mentioned.

Card 1/6

Problems of (Cont.)

SOV/2792

References appear at the end of each article.

TABLE OF CONTENTS:

Foreword	3
Kuznetsov, V.N. Electromagnetic Field of a Contact Wire of Electrified Railroads Operating on A-c	5
The author determines the electromagnetic field around a wire located at a given height over the flat surface of the ground with a finite conductivity when alternating current passes through the wire. There are 7 references: 3 Soviet (including 1 translation), 3 English and 1 German.	
Kuleshov, V.N. Additional Resistance of Cable Lines Due to Losses In Adjacent Strands	26
The author presents a method of calculating additional resistance of multiplexing cables due to losses in adjacent strands. There are 3 references: 2 Soviet and 1 English.	

Card 2/6

Problems of (Cont.)

SOV/2792

Arkhipova, K.M. and V.A. Sudakov. Determination of Attenuation and a Propagation Constant of a Two-wire Line, Taking Into Account Finite Ground Conductivity

33

The authors present a method of calculating propagation constant from a transcendental equation obtained from field equations for air and ground. They also present numerical examples in which simplifications for actual frequency ranges and ground conductivity were made. There are 3 references: 2 Soviet and 1 English.

Sinay, Ya.G. The Least Error and the Best Method of Transmitting Stationary Information With Linear Coding and Decoding for the Case of Gaussian Communication Channels

40

The author derives a functional expressing the mean-square error of transmission and obtains the best method of transmitting information, with linear coding and decoding, by Gaussian communication channels. There are 3 references, all Soviet (including 1 translation).

Card 3/6

Problems of (Cont.)

SOV/2792

Kazaryan, R.A. Some Problem of Predication of Communication Signals

49

The author discusses problems of constructing circuits for signal prediction and analyses their operation under near-actual operating conditions. He also presents an example of extrapolating a speech signal. There are 11 references: 6 Soviet (including 1 translation) and 5 English.

Meshkovskiy, K.A. Some Problems of the Theory of Coding

57

The author discusses the principle of constructing, analyzing and comparing of codes. There are 5 references: 3 Soviet and 2 English.

Garmash, V.A. Methods of Using Punched-card Computing Machines for Statistical Information Analysis

65

The author shows the advantage of punched-card computing machines over other types of computers for statistical analysis of information. He also discusses methods of using these machines. There are 3 references, all Soviet.

Card 4/6

Problems of (Cont.)

SOV/2792

Lebedev, D.S. Device for Printing Images on Punched Tape 73

The author describes a device for printing images on punched tape. The device is used in the study of statistics of television information. It converts a continuous signal obtained in scanning a motion picture into a sequence of binary numbers. There are 2 references, both Soviet.

Lebedev, D.S., and V.A. Garmash. Statistical Analysis of Three-letter Combinations of a Russian text 78

The authors present methods and results of a study of frequency of three-letter combinations of a Russian text and determine the rate of transmission of telegraph information. There are 3 references: 1 Soviet and 2 English.

Solomonov, V.G. Errors in the Synthesis of Characteristics 81

The author presents a theoretical proof of the possibility of synthesizing characteristics and analyzes the error of synthesis by means of a delay-line system. There are 5

Card 5/6

Problems of (Cont.)

SOV/2792

references: 4 Soviet and 1 German.

Tsemel', G.I. Some Problems in the Operation of a Time Equalizer 92
The author derives an expression for determining delay time of
a time equalizer from the pulse characteristic of a communica-
tion channel and describes the nature of equalizer distortions.
He also discusses deviations of the attenuation characteristic
of an equalizer operating in a linear spectrum. There are 9
references: 3 Soviet and 6 English.

AVAILABLE: Library of Congress

Card 6/6

JP/jb
12-1-59

TIMCHENKO, Ivan Yemel'yanovich; KULESHOV, V.N., otv.red.; PETROVA, V.Ye.,
red.; MARKOCH, K.G., tekhn.red.

[Operation of line equipment of main communication cables]
Ekspluatatsiya lineinykh sooruzhenii kabel'nykh magistralei
sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio,
1959. 134 p. (MIRA 12:12)

(Electric lines)

PHASE I BOOK EXPLOITATION SOV/4324

Kuleshov, Vasiliy Nikolayevich

Mezhdugorodnyye kabel'nyye linii svyazi (Long-Distance Communications Cables) Moscow, Svyaz'izdat, 1959. 195 p. 15,500 copies printed.

Resp. Ed.: I. Ye. Yefimov; Ed.: L. V. Kokosov; Tech. Ed.: G. I. Shefer.

PURPOSE: This textbook is intended for students in communications teknikums.

COVERAGE: The book examines the electrical characteristics and arrangement of long-distance communications cables. Methods of laying, assembling, and balancing underground and underwater cables are described. Problems related to the arrangement of cable entrances, inserts into overhead communications lines, and protection of cables from corrosion are discussed. Separate chapters deal with remote feed of repeater stations of main cable lines and with the technical operation and designing of long-distance cable lines. No

Card 1/8

Long-Distance Communications Cables

SOV/4324

personalities are mentioned. There are 8 references, all Soviet.

TABLE OF CONTENTS:

Foreword	3
Ch. I. General Information on Cable Communications Lines	
1. Principal definitions	5
2. Characteristics of cable lines	6
3. Prospects for the development of long-distance cable communications lines	8
4. Requirements of long-distance cable communications lines	8
5. Classification of long-distance cable lines	10
Ch. II. Telegraph Cables	
1. Structure of telegraph cables	12
2. Gutta-percha insulated cables	13
3. Cables insulated by oil-impregnated paper	14
4. Electrical parameters of telegraph cables	15

Card 2/8

KULESHOV, V.N.

Additional resistance in cable circuits because of losses in
adjacent conductors. Probl.pered.inform no.2:26-32 '59.
(MIRA 12:11)

(Radio lines) (Electric resistance)

MARCHENKO, Aleksey Filippovich; KULESHOV, V.N., otv.red.; PETROVA, V.Ye.,
red.; SHKFER, G.I., tekhn.red.

[Corrosion protection of the lead casing of communication cables]
Zashchita svintsovoi obolochki kabelei sviazi ot pochvennoi
korrozii. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio,
1960. 39 p. (MIRA 14:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut svyazi (for
Marchenko).

(Electric lines--Underground) (Electrolytic corrosion)

KOKOSHKIN, Pavel Aleksandrovich; GOLUBEV, Lev Solomonovich; KULESHOV,
V.N., otv.red.; KONDRAKHINA, N.M., red.; KARABILOVA, S.F.,
tekhn.red.

[New automatically controlled rectifying devices for the power
supply of wire communication apparatus] Novye avtomatizirovannye
vypriamitel'nye ustroistva dlia elektropitaniiia apparatury pro-
vodnoi sviazi; informatsionnyi sbornik. Moskva, Gos.izd-vo
lit-ry po voprosam sviazi i radio, 1960. 73 p.

(MIRA 13:12)

(Telecommunication--Equipment and supplies)
(Electric current rectifiers)

KAZARINOV, Ivan Alekseyevich; KOKOSHKIN, Pavel Aleksandrovich; KULISHOV,
V.N., otv.red.; KONDRAZINA, N.M., red.; MARKOCH, K.O., tekhn.red.

[Design of power supply devices for wire-communication enterprises]
Proektirovanie elektropitaiushchikh ustavov predpriatii pro-
vodnoi sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i
radio, 1960. 399 p. (MIRA 14:5)

(Electric power supply for apparatus)
(Telegraph) (Telephone)

GRODNEV, Igor' Izmaylovich; KULESHOV, Vasiliy Nikolayevich; SOKOLOV,
Vasiliy Vasil'yevich [deceased]; SERGEYCHUK, K.Ya., kand.tekhn.
nauk, red.; BALAKIREV, A.F., red.; SHAFER, G.I., tekhn.red.

[Cable communication lines] Kabel'mye linii sviazi. Pod red.
K.LA.Sergeichuka. Moskva, Gos.izd-vo lit-ry po voprosam sviazi
i radio, 1960. 494 p. (MIRA 13:?)
(Electric cables)

KULESHOV, Vasiliy Nikolayevich; KASHTANOV, M.F., dotsent, otv.red.;
ROZHDESTVENSKAYA, V.A., red.

[Conversion of solar energy to electric power] Preobrazovanie
solnechnoi energii v elektricheskuiu; lektsiia po kursu
"Energetika predpriatii sviazi." Moskva, Vses.zaochnyi elektr.
in-t sviazi, 1961. 18 p. (MIRA 15:4)
(Solar batteries)

YEVTYANOV, S.I.; KULESHOV, V.N.

Fluctuations in self-oscillators. Radiotekh. i elektron. 6
no.4:469-505 Ap '61. (MIRA 14:3)
(Oscillators, Electric)

10-59 BDS

ACCESSION NR: AP3004367

S/0109/63/008/008/1334/1343

45

AUTHOR: Kuleshov, V. N.; Morozov, A. A.

TITLE: Investigation of a phase-lock pulse system

SOURCE: Radiotekhnika i elektronika, v. 8, no. 8, 1963, 1334-1343

TOPIC TAGS: phase lock, pulse-type phase lock

ABSTRACT: A pulse system of phase AFC (phase lock) is considered which adjusts the local oscillator according to the frequency of coherent radio pulses that have a low duty factor. A block diagram of the pulse-type phase lock consists of the following components: phase detector, pulse filter, storage device, low-frequency filter, frequency controller, and controlled oscillator. Nonlinear operational and difference equations describing the pulse phase lock are obtained by a discrete Laplace transformation method. A general characteristic equation is set up, and a formula describing the noise band of the lock is developed. A

Card 1/2

L 17275-63

ACCESSION NR: AP3004367

method for the numerical investigation of the locking process is given. A most simple locking system is described as an example. "The authors are grateful to S. I. Yevtyanov for going over the manuscript and his valuable comments." Orig. art. has: 4 figures and 27 formulas.

ASSOCIATION: none

SUBMITTED: 07Jul62 DATE ACQ: 20Aug63 ENCL: 00

SUB CODE: CO, GE NO REF SOV: 004 OTHER: 000

Card 2/2

GRODNEV, Igor' Izmaylovich; KULESHOV, V.N., otv. red.; VOLODARSKAYA,
V.Ye., red.

[Transmission of electromagnetic energy using directional
systems] Peredacha elektromagnitnoi energii po napravlia-
iushchim sistemam. Moskva, Izd-vo "Sviaz'" 1964. 52 p.
(MIRA 17:5)

KULESHOV, Vasiliy Nikolayevich; SHVARTSMAN, Vladimir Osipovich;
FROLOV, P.A., otv. red.; BOGACHEVA, G.V., red.; BATRAKOVA,
T.A., red.

[Electrical measurements of long-distance cable lines]
Elektricheskie izmereniia mezhdugorodnykh kabelei sviazi.
Moskva, Izd-vo "Sviaz", 1964. 263 p. (MIRA 17:5)

KULESHOV, Vasiliy Nikolayevich; LOGINOV, A.G., kand.ekon.nauk,
dots., retsentent; GUBIN, N.M., otv. red.; ROZHDESTVENSKAYA,
V.A., red.

[Principles of the organization of long-distance communications; lectures in a course on "Theory of communications and long-distance communication" for students of engineering and economics departments] Printsipy organizatsii dal'nei sviazi; lektsii po kursu "Teoriia sviazi i dal'nei sviazi" dlia studentov inzhenerno-ekonomicheskogo fakul'teta. Moskva. Red.-izd. otdel VZEIS, 1963. 40 p. (MIRA 17:12)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927410011-6

INACCURACY DETECTED IN SIGNALS FROM THE SATELLITE

APPROVED FOR RELEASE: 08/23/2000

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